

IMMUNIZATION UPDATE

The Iowa Immunization Program Newsletter

Fall 2013

News & Summaries

2013-2014 Flu Season: What You Need to Know

The Iowa Department of Public Health (IDPH) is encouraging all Iowans to receive a seasonal influenza vaccination. "We want everyone to know the most effective way to stop the spread of the flu is to get the flu vaccine each year," said Dr. Patricia Quinlisk of the Iowa Department of Public Health. "IDPH and the Centers for Disease Control and Prevention recommend influenza vaccination for everyone 6 months of age and older."

This year's vaccine will protect against the main influenza viruses that research indicates will cause the most illness. Even healthy people, including healthy children and young adults, can get very ill from the flu and can spread the flu to others. By getting the flu vaccine each year you can protect yourself and those around you from illness. It is especially important to be vaccinated if you care for or have vulnerable people in your household such as babies, children with asthma, and the elderly.

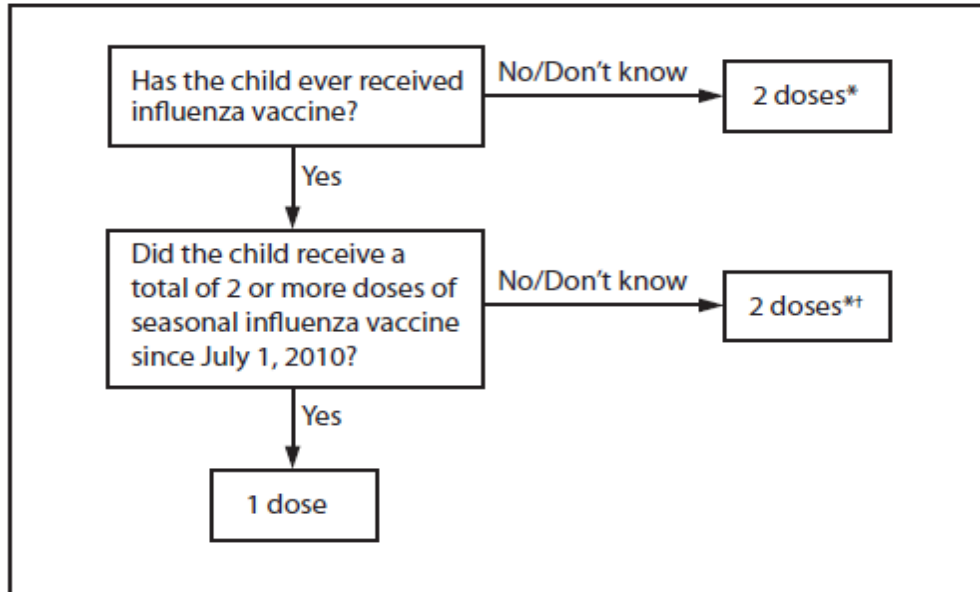
The flu vaccine is plentiful this year and is available in both injectable and mist presentation. For the 2013-2014 season, manufacturers have projected they will produce between 135 million and 139 million doses of influenza vaccine. An estimated 30 million to 32 million of these doses will be quadrivalent flu vaccine (four vaccine strains). The rest will be trivalent flu vaccine (three vaccine strains).

Influenza is a respiratory illness that most often causes fever, headache, extreme tiredness, muscle pain, nonproductive coughing, sore throat, and runny nose. Occasionally, diarrhea can accompany the respiratory symptoms in children. The flu virus is spread when people who are ill cough or sneeze without covering their mouths and noses, sending tiny droplets of respiratory secretions into the air for others to breathe in and get sick from. A person can also get the flu by touching a surface or object (such as a door handle) that has been touched by someone with the flu (who coughed into their hand), and then touching their own mouth, eyes or nose.

For questions regarding the influenza vaccine, call Kelli Smith or Bethany Kintigh at 1-800-831-6293 ext. 2 & 7, respectively. For questions regarding VFC influenza vaccine availability, call Tina Patterson at 1-800-831-6293 ext. 4.

Vaccine Highlights

Influenza Vaccine Dosing Algorithm for Children Aged 6 Months through 8 Years Advisory Committee on Immunization Practices, United States, 2013–14 Influenza Season



* Doses should be administered at least 4 weeks apart.

† For simplicity, this algorithm takes into consideration only doses of seasonal influenza vaccine received since July 1, 2010.

As an alternative approach in settings where vaccination history from before July 1, 2010, is available, if a child aged 6 months through 8 years is known to have received at least 2 seasonal influenza vaccines during any previous season, and at least 1 dose of a 2009(H1N1)-containing vaccine (i.e., either 2010–11, 2011–12 or 2012–13 seasonal vaccine or the monovalent 2009[H1N1] vaccine), then the child needs only 1 dose for 2013–14.

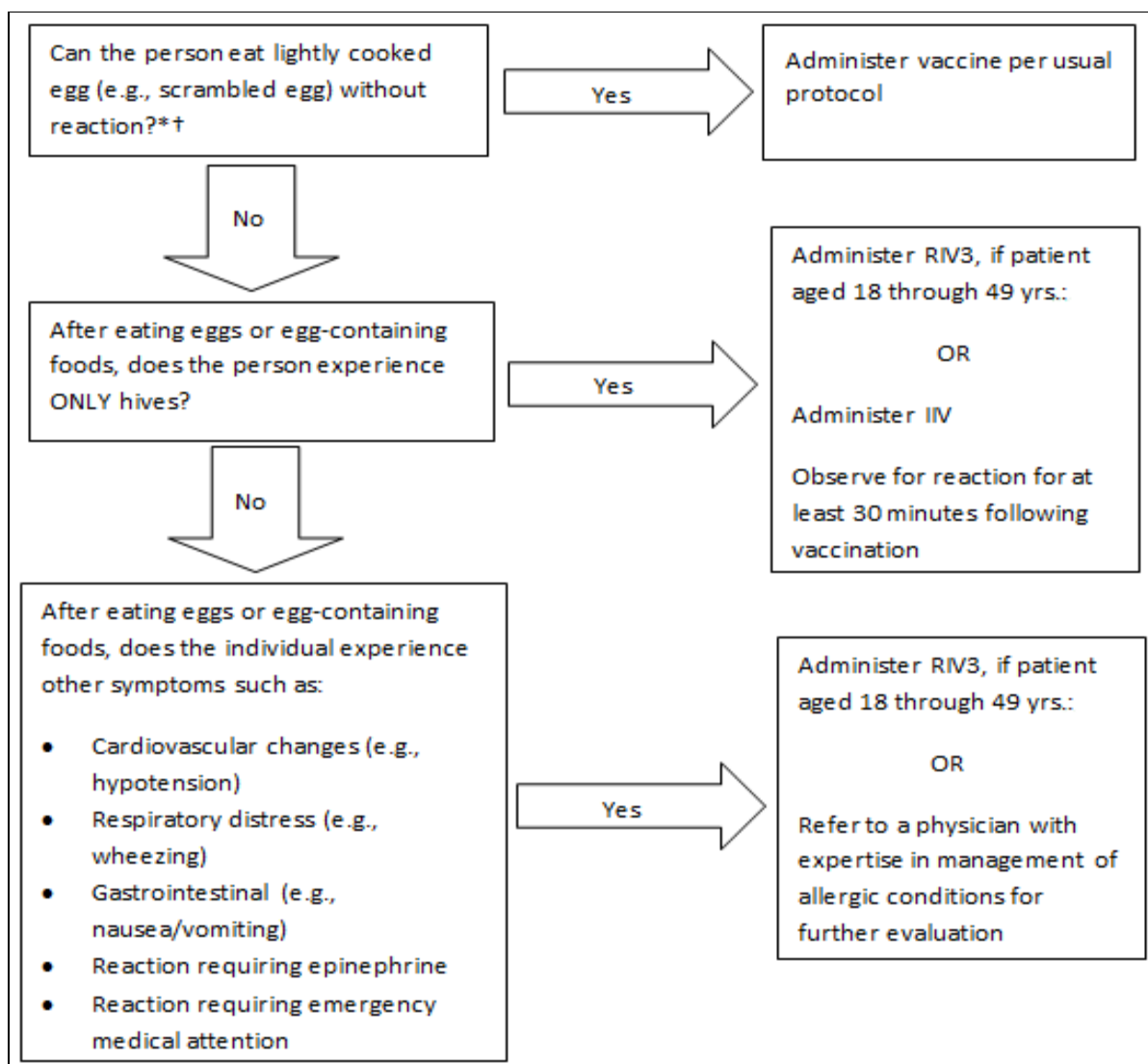
Using this approach, children aged 6 months through 8 years need only 1 dose of seasonal influenza vaccine in 2013–14 if they have received any of the following:

- 1) 2 or more doses of seasonal influenza vaccine since July 1, 2010;
- 2) 2 or more doses of seasonal influenza vaccine before July 1, 2010, and 1 or more doses of monovalent 2009(H1N1) vaccine; or
- 3) 1 or more doses of seasonal influenza vaccine before July 1, 2010, and 1 or more doses of seasonal influenza vaccine since July 1, 2010.

Adapted from the Summary* Recommendations: Prevention and Control of Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices—(ACIP)—United States, 2013–14. The full article is available [here](#).

Recommendations Regarding Influenza Vaccination for Persons Who Report Allergy to Eggs

Advisory Committee on Immunization Practices, United States, 2013–14 Influenza Season



Abbreviations: RIV3 = recombinant influenza vaccine, trivalent; IIV = inactivated influenza vaccine

* Persons with egg allergy might tolerate egg in baked products (e.g., bread or cake). Tolerance to egg-containing foods does not exclude the possibility of egg allergy.

† For individuals who have no known history of exposure to egg, but who are suspected of being egg-allergic on the basis of previously performed allergy testing, consultation with a physician with expertise in the management of allergic conditions should be obtained prior to vaccination. Alternatively, RIV3 may be administered if the recipient is aged 18 through 49 years.

Adapted from the **Summary* Recommendations: Prevention and Control of Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices -(ACIP)-United States, 2013-14**. The full article is available [here](#).

Influenza Vaccine Information, by Age Group - United States, 2013–14 Influenza Season

| Vaccine Type | Trade Name | Manufacturer | Presentation | Mercury/Ovalbumin Content (μg per 0.5 mL dose) | Age Group | Route |
|---|------------------------|--|--|--|----------------|-------|
| Inactivated Influenza Vaccine, Trivalent (IIV3), Standard Dose | Afluria® | CSL Limited | 0.5 mL single dose prefilled syringe | 0.0/ ≤ 1 | ≥ 9 yrs. | IM |
| | | | 5.0 mL multidose vial | 24.5/ ≤ 1 | | |
| | Fluarix® | GlaxoSmithKline | 0.5 mL single dose prefilled syringe | 0.0/ ≤ 0.05 | ≥ 3 yrs. | IM |
| | Flucelvax® | Novartis Vaccines | 0.5 mL single dose prefilled syringe | 0.0/Estimated at < 50 femtograms* total egg protein | ≥ 18 yrs. | IM |
| | FluLaval® | ID Biomedical Corporation of Quebec (distributed by GlaxoSmithKline) | 5.0 mL multidose vial | $< 25.0/\leq 0.03$ | ≥ 3 yrs. | IM |
| | Fluvirin® | Novartis Vaccines | 0.5 mL single dose prefilled syringe | $\leq 1/\leq 1$ | ≥ 4 yrs. | IM |
| | | | 5.0 mL multidose vial | 25.0/ ≤ 1 | | |
| | Fluzone® | Sanofi Pasteur | 0.25 mL single dose prefilled syringe | 0.0/** | 6–35 mos. | IM |
| | | | 0.5 mL single dose prefilled syringe | 0.0/** | ≥ 36 mos. | |
| | | | 0.5 mL single dose vial | 0.0/** | ≥ 36 mos. | |
| | | | 5.0 mL multidose vial | 25.0/** | ≥ 6 mos. | |
| | Fluzone® Intradermal | Sanofi Pasteur | 0.1 mL prefilled microinjection system | 0.0 (per 0.1 mL)/** | 18 – 64 yrs. | ID |
| Inactivated Influenza Vaccine, Trivalent (IIV3), High Dose | Fluzone® High-Dose | Sanofi Pasteur | 0.5 mL single dose prefilled syringe | 0.0/** | ≥ 65 yrs. | IM |
| Inactivated Influenza Vaccine, Quadrivalent (IIV4), Standard Dose | Fluarix® Quadrivalent | GlaxoSmithKline | 0.5 mL single dose prefilled syringe | 0.0/ ≤ 0.05 | ≥ 3 yrs. | IM |
| | FluLaval® Quadrivalent | ID Biomedical Corporation | 5.0 mL multidose vial | $< 25.0/\leq 0.03$ | ≥ 3 yrs. | IM |
| | Fluzone® Quadrivalent | Sanofi Pasteur | 0.25 mL single dose prefilled syringe | 0.0/** | 6–35 mos. | IM |
| | | | 0.5 mL single dose prefilled syringe | 0.0/** | ≥ 36 mos. | |
| | | | 0.5 mL single dose vial | 0.0/** | ≥ 36 mos. | |
| Recombinant Influenza Vaccine, Trivalent (RIV3) | FluBlok® | Protein Sciences | 0.5 mL single dose vial | 0.0/0.0 | 18 – 49 yrs. | IM |
| Live-attenuated Influenza Vaccine, Quadrivalent (LAIV4) | FluMist® Quadrivalent | MedImmune | 0.2 mL prefilled intranasal sprayer | 0.0/ < 0.24 (per 0.2 mL) | 2–49 yrs. | IN |

*50 femtograms is 5×10^{-14} grams, of which only a fraction is ovalbumin

**Available on request from Sanofi Pasteur, by telephone, (800)822-2463, or e-mail, MIS.Emails@sanofipasteur.com
Highlighted vaccine products indicate administration route other than IM.

Adapted from the **Summary* Recommendations: Prevention and Control of Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices—(ACIP)—United States, 2013-14**. The full article is available [here](#).

Do you qualify for the Hepatitis B Birth Dose Honor Roll?

If so, apply today.

The Immunization Action Coalition (IAC) is recognizing hospitals and birthing centers that have attained 90% or greater coverage rates for administering hepatitis B vaccine at birth and have met specific additional criteria. These criteria define the important elements of written birth dose policies aimed at protecting newborns, including when medical errors occur.

Criteria for Inclusion into the Honor Roll

To be included in IAC's Hepatitis B Birth Dose Honor Roll, a birthing institution must have:

- ✓ Achieved, over a 12-month period, a coverage rate of 90% or greater for administering hepatitis B vaccine before hospital discharge to all newborns (regardless of weight), including those whose parents refuse vaccination, and
- ✓ Implemented certain written policies, procedures, and protocols to protect all newborns from hepatitis B virus infection prior to hospital discharge.

To apply for the Birth Dose Honor Roll, visit

www.immunize.org/honor-roll/birthdose

Benefits

- Inclusion in online Honor Roll
- Announcement of achievement in nation's largest immunization e-newsletter, *IAC Express*, sent to approximately 50,000 subscribers
- Receipt of beautiful 8.5" x 11" color award certificate suitable for framing
- Peer recognition in the immunization community

| Honorees with qualifying HepB birth dose policies | | | | | | | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| AL | AK | AZ | AR | CA | CO | CT | DC | DE | FL | GA | HI | ID | IL | IN | IA |
| KS | KY | LA | ME | MD | MA | MI | MN | MS | MO | MT | NE | NV | NH | NJ | NM |
| NY | NC | ND | OH | OK | OR | PA | PR | RI | SC | SD | TN | TX | UT | VT | VA |
| WA | WV | WI | WY | | | | | | | | | | | | |

Illinois
Passavant Area Hospital, Jacksonville, IL
 Reported a coverage rate of 98% from 7/1/2012 to 6/30/2013. [Back to top](#)

Michigan
Oakwood Annapolis Hospital, Wayne, MI
 Reported a coverage rate of 92% from 7/1/12 to 6/30/13. [Back to top](#)
Pennock Health Services Family Birthing Center, Hastings, MI
 Reported a coverage rate of 90% from 7/1/2012 to 6/30/2013.
Spectrum Health Ludington Hospital, Ludington, MI
 Reported a coverage rate of 95% from 7/1/2012 to 6/30/2013.

Minnesota
Pipestone County Medical Center, Pipestone, MN
 Reported a coverage rate of 95% from 8/30/2012 to 8/29/2013. [Back to top](#)

New York
Albany Medical Center

Immunization Action Coalition

recognizes the exceptional achievement of

Albany Medical Center

ALBANY, NEW YORK

and enrolls the facility into the

Hepatitis B Birth Dose Honor Roll



for its noteworthy dedication to patient safety by establishing a policy to administer the first dose of hepatitis B vaccine to newborns prior to hospital discharge, and achieving a coverage rate of 99 percent.

The birth dose of hepatitis B vaccine is critical to safeguarding all infants from hepatitis B virus infection which can lead to chronic liver disease.

We applaud your dedication to protecting patients.

Deborah L. Wexler, MD

DEBORAH L. WEXLER, MD, Executive Director

July 16, 2013

A complete list of honorees is available at www.immunize.org/honor-roll/birthdose



The universal hepatitis B vaccine birth dose is supported by leading health organizations

- American Academy of Family Physicians (AAFP)
- American Academy of Pediatrics (AAP)
- American College of Obstetricians and Gynecologists (ACOG)
- Centers for Disease Control and Prevention (CDC)

IRIS Update

VFC Vaccine Ordering Tool Available in IRIS

IRIS has been updated to include the Vaccine Recommended Order Quantity function to help VFC providers identify the quantity of vaccines to order. [This suggested order quantity displays on the Create Order screen in IRIS.](#) The recommended order quantity is calculated based on VFC doses administered, doses on hand, and package size. The recommended order includes additional doses of vaccine to account for packaging quantity and unexpected need.

When placing vaccine orders, VFC providers can use the Recommended Order Quantity as a tool to determine total amount of vaccine needed. VFC providers should review the recommended order quantities for each vaccine and order as needed to maintain appropriate vaccine stock until a future order can be placed consistent with their current ordering frequency.

Be sure your clinic or practice uses these tips when ordering vaccine:

- ✓ Consider the total amount of vaccine needed, including combinations and single antigen products
- ✓ Review doses of vaccine in current inventory and vaccines that may expire before the next ordering frequency
- ✓ Consider seasonal events or specialty clinics

If you have questions regarding vaccine orders, contact the VFC Program at 1-800-831-6293 ext. 5.



| Vaccine Group | Trade Name | Packaging | NDC Number | Ordering Intention | Doses Admin (EOQ) | Doses on Hand | Recommended Order Qty | Doses Ordered |
|---------------|--------------------|---------------------------|---------------|--------------------|-------------------|---------------|-----------------------|----------------------|
| DTAP | Adacel | TDAP SDV 10-PACK | 49281-0400-10 | PED | 0 | 0 | 0 | <input type="text"/> |
| DTAP | Adacel | TDAP SYR 5-PACK | 49281-0400-15 | PED | 0 | 0 | 0 | <input type="text"/> |
| DTAP | Boostrix | TDAP SDV 10-PACK | 58160-0842-11 | PED | 5 | 38 | 0 | <input type="text"/> |
| DTAP | Boostrix | TDAP SYR 10-PACK | 58160-0842-52 | PED | 0 | 0 | 0 | <input type="text"/> |
| DTAP | DAPTACEL | DTAP SDV 10-PACK | 49281-0286-10 | PED | 13 | 19 | 10 | <input type="text"/> |
| DTAP | DT | DT SDV 10-PACK | 49281-0225-10 | PED | 0 | 2 | 0 | <input type="text"/> |
| DTAP | Infanrix | DTAP SDV 10-PACK | 58160-0810-11 | PED | 0 | 0 | 0 | <input type="text"/> |
| DTAP | Infanrix | DTAP SYR 10-PACK | 58160-0810-52 | PED | 0 | 0 | 0 | <input type="text"/> |
| DTAP | Kinrix | DTAP-IPV SDV 10-PACK | 58160-0812-11 | PED | 11 | 26 | 0 | <input type="text"/> |
| DTAP | Kinrix | DTAP-IPV SYR 10-PACK | 58160-0812-52 | PED | 0 | 0 | 0 | <input type="text"/> |
| DTAP | Pediarix | DTAP-IPV-HEPB SYR 10-PACK | 58160-0811-52 | PED | 16 | 16 | 10 | <input type="text"/> |
| DTAP | TENIVAC | TD SDV 10-PACK | 49281-0215-10 | PED | 0 | 0 | 0 | <input type="text"/> |
| DTAP | TENIVAC | TD SYR 10-PACK | 49281-0215-15 | PED | 0 | 0 | 0 | <input type="text"/> |
| HEPA | Havrix-Peds 2 Dose | HEP A (PED) SDV 10-PACK | 58160-0825-11 | PED | 34 | 35 | 20 | <input type="text"/> |
| HEPA | Havrix-Peds 2 Dose | HEP A (PED) SYR 10-PACK | 58160-0825-52 | PED | 0 | 0 | 0 | <input type="text"/> |
| HEPA | VAQTA-Peds 2 Dose | HEP A (PED) SDV 10-PACK | 00006-4831-41 | PED | 0 | 0 | 0 | <input type="text"/> |

VFC Highlights

New Return Instructions for Nonviable Vaccines

Vaccine received through the Iowa Vaccines for Children (VFC) Program that is nonviable (expired or spoiled) must be returned to McKesson Specialty Distribution. Return of nonviable vaccine is necessary for the Iowa VFC Program to receive federal excise tax credit. To return nonviable vaccines follow the steps below.

Return Instructions:

1. Complete the **Nonviable Vaccine Return Form** found on the VFC web page at: **<http://www.idph.state.ia.us/ImmTB/Immunization.aspx?prog=Imm&pg=Vfc>**. Be sure to state the reason the vaccine is nonviable and document if the vaccines were transferred to the organization from another Iowa VFC provider by listing the original clinic name and VFC PIN.
2. To avoid unintentional use remove the vaccine from the refrigerator/freezer and write "Nonviable Vaccine" on the box.
3. When the form is completed: a) make a copy for your records, b) fax a copy to the Iowa VFC Program at 1-800-831-6292, and c) include the original copy of the form when returning the vaccine to McKesson Specialty Distribution.
4. A UPS postage paid return label will be mailed to the clinic once this form is received by the Iowa VFC Program. It will take approximately two weeks to receive the label, which will come in a plain white envelope with no cover letter. If you do not typically receive UPS deliveries contact the VFC Program for an alternate pick up process. Expired and spoiled vaccine must be returned to McKesson ***within 6 months of vaccine expiration date***. Open vials of vaccine are not returnable but must still be documented on the Nonviable Vaccine Return form.
5. Pack the vaccine to protect it from breakage. Cold packs are not necessary as nonviable doses will never be administered. Only vaccine that is listed on the Nonviable Vaccine Return Form should be sent back to McKesson, do not add additional vaccines in the box once the form is submitted.
6. Adjust vaccine inventory in IRIS consistent with the reason codes. Detailed IRIS instructions are provided on pages 10-11 of the **Iowa Training-Standard User Handout** found on the IRIS webpage at **Bureau of Immunization & TB - Immunization Program Home Page**.

Question Corner

Q: Can you explain the new influenza vaccine that can be given to people with severe egg allergies?

A: If someone has a severe allergy to eggs with symptoms suggestive of anaphylaxis, CDC recommends referring patients to a provider experienced in managing allergies. Only inactivated influenza vaccines should be given in this circumstance. If the severe allergy to eggs is diagnosed as anaphylactic allergy, and the patient is age 18 through 49 years, then the provider can consider using Flublok, the only inactivated influenza vaccine available that is egg-free. The FDA licensed Flublok, a trivalent influenza vaccine, in January 2013. Unlike current production methods for other available seasonal influenza vaccines, production of Flublok does not use the whole influenza virus or chicken eggs in its manufacturing process. Flublok has a shorter shelf life than other currently available inactivated influenza vaccines. It expires 16 weeks from the production date. Other currently available inactivated influenza vaccines expire on June 30, 2014.

You can find [additional information about Flublok](#) on CDC's website.

Q: Can a child who needs 2 doses of influenza receive 1 dose of quadrivalent vaccine and 1 dose of trivalent vaccine?

A: Yes. You can give these two vaccines, as long as the 2 doses are appropriately spaced at least 4 weeks apart.

Q: Does ACIP recommend one influenza product over another for pregnant women?

A: Pregnant women can receive any of the inactivated vaccines. They should not be given the live quadrivalent attenuated influenza vaccine (FluMist MedImmune LAIV4).

Q: If a patient is undergoing treatment for cancer, is it safe to vaccinate against influenza?

A: People with cancer need to be protected from influenza, and they can and should receive inactivated influenza vaccine (not LAIV) even if they are immunosuppressed. Cancer patients and survivors are at higher risk for complications from flu, including hospitalization and death. The following link is to the [CDC web page](#) on cancer and influenza for patients.

Q: If a woman received Tdap in early pregnancy, should she get it again in the third trimester?

A: No, it is not recommended to give another dose of Tdap in such cases. Optimal timing for Tdap administration is between 27 and 36 weeks' gestation.

According to ACIP recommendations published in the [MMWR on February 22, 2013](#), "Tdap may be administered any time during pregnancy, but vaccination during the third trimester would provide the highest concentration of maternal antibodies to be transferred closer to birth."

Q: Each time there is a pregnancy in the family, should fathers and other family members receive a Tdap booster to ensure adequate protection and boost the cocoon effect to protect the newborn from pertussis?

A: At this time, ACIP does not recommend additional doses of Tdap for fathers or other family members/caregivers. The multiple Tdap recommendation to optimize immunity for the infant applies only to the pregnant woman.

Resources

Iowa Department of Public Health, Immunization Bureau Email Lists

The Iowa Immunization Program has several email list serves available to help health care providers receive important and timely immunization related information. Providers can send a blank email to the addresses below to receive updates directly in their inbox.

- VFC List: join-VFC@lists.ia.gov
- Immunization Program List: join-IMMUNIZATION@lists.ia.gov
- IRIS List: join-IRISUSERS@lists.ia.gov

Iowa Immunization Program 2013-2014 Influenza Resources

- [**2013-2014 Influenza Dosing Algorithm**](#)
- [**Influenza Vaccination for persons who report allergy to eggs**](#)
- [**Influenza Vaccine Products for the 2013-2014 Influenza Season**](#)

Seasonal Influenza Vaccine Resources

- [**MMWR Influenza Recommendations of the Advisory Committee on Immunization Practices-United States 2013-2014**](#)
- [**2013-2014 Influenza Vaccine Information Statements**](#)
- [**CDC 2013-2014 Seasonal Influenza Information**](#)
- [**Prevention & Control of Seasonal Influenza Recommendations from the ACIP, 2013-2014 Influenza Season**](#)

Iowa Immunization Coalition

- The Iowa Immunization Coalition now has “Take Your Flu Shot Like a Kid” posters available for download! Please visit their website, [**www.immunizeiowa.org**](http://www.immunizeiowa.org), to download these posters.

A close-up photograph of a middle-aged man with a beard and a serious expression. He is wearing a brown t-shirt. On his right upper arm, there is a colorful, cartoonish bandage with various shapes and colors (red, green, blue, yellow). His hands are clasped together in front of him.

TAKE YOUR FLU SHOT LIKE A KID.

Now is the time for a flu vaccine. Getting vaccinated for influenza and other recommended adult vaccines is a simple way to prevent serious diseases like:

Whooping Cough | Meningitis | Shingles | HPV | Hepatitis | Pneumonia | Measles

Keep Up To Date. Vaccinate.

Talk to your doctor about what vaccinations you may need based on your age, medical history and where you may be traveling. Learn more at immunizeiowa.org. Brought to you by the Iowa Immunization Coalition.

Iowa Immunization Coalition | www.immunizeiowa.org | Des Moines, Iowa | info@immunizeiowa.org